

# **S-8521D36MC-BXVT2G**

### S-8521D36MC-BXVT2G Information



For Reference Only

Part NumberS-8521D36MC-BXVT2GManufacturerSII Semiconductor Corporation

Category Integrated Circuits (ICs)

PMIC - Voltage Regulators - DC DC Switching

Controllers

**Description** IC REG CTRLR BUCK SOT23-5

Package SC-74A, SOT-753

For the pricing/inventory/lead time, please contact

us

Website: https://www.heisener.com E-mail: salesdept@heisener.com



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# S-8521D36MC-BXVT2G Specifications

Manufacturer Part Number         S-8521D36MC-BXVT2G           Manufacturer         SII Semiconductor Corporation           Category         Integrated Circuits (ICs)           PMIC - Voltage Regulators - DC DC Switching Controllers           Series         -           Output Type         Transistor Driver           Function         Step-Down           Output Configuration         Positive           Topology         Buck           Number of Outputs         1           Output Phases         1           Voltage - Supply (Vcc/Vdd)         2.5 V ~ 16 V           Frequency - Switching         60kHz           Duty Cycle (Max)         100%           Synchronous Rectifier         No           Clock Sync         No           Serial Interfaces         -           Control Features         Enable           Operating Temperature         -40°C ~ 85°C (TA)           Package / Case         SC-74A, SOT-753           Supplier Device Package         SOT-23-5		
Category	Manufacturer Part Number	S-8521D36MC-BXVT2G
PMIC - Voltage Regulators - DC DC Switching Controllers  Package SC-74A, SOT-753  Series - Output Type Transistor Driver  Function Step-Down Output Configuration Positive  Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 16 V  Frequency - Switching 60kHz Duty Cycle (Max) 100%  Synchronous Rectifier No Clock Sync No Serial Interfaces - Control Features Enable Operating Temperature -40°C ~ 85°C (TA) Package / Case SC-74A, SOT-753	Manufacturer	SII Semiconductor Corporation
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Function Step-Down Output Configuration Positive  Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 16 V Frequency - Switching 60kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync No Serial Interfaces - Control Features Enable Operating Temperature -40°C ~ 85°C (TA) Package / Case SC-74A, SOT-753	Series	-
Output Configuration Positive Topology Buck Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 16 V Frequency - Switching 60kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync Serial Interfaces - Control Features Operating Temperature Package / Case Package / Case Positive Package  Description Positive Package Positive P	Output Type	Transistor Driver
Topology  Number of Outputs  1 Output Phases  1 Voltage - Supply (Vcc/Vdd)  Frequency - Switching  Duty Cycle (Max)  Synchronous Rectifier  Clock Sync  Serial Interfaces  Control Features  Operating Temperature  Package / Case  Buck  1  No  2.5 V ~ 16 V  60kHz  100%  No  Some  No  Some  No  Clock Sync  No  Serial Interfaces	Function	Step-Down
Number of Outputs 1 Output Phases 1 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 16 V Frequency - Switching 60kHz Duty Cycle (Max) 100% Synchronous Rectifier No Clock Sync No Serial Interfaces - Control Features Enable Operating Temperature -40°C ~ 85°C (TA) Package / Case SC-74A, SOT-753	Output Configuration	Positive
Output Phases  1 Voltage - Supply (Vcc/Vdd) 2.5 V ~ 16 V  Frequency - Switching 60kHz  Duty Cycle (Max) 100%  Synchronous Rectifier No Clock Sync No Serial Interfaces - Control Features Enable Operating Temperature -40°C ~ 85°C (TA)  Package / Case SC-74A, SOT-753	Topology	Buck
Voltage - Supply (Vcc/Vdd)  Frequency - Switching  60kHz  Duty Cycle (Max)  100%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Departing Temperature  -40°C ~ 85°C (TA)  Package / Case  SC-74A, SOT-753	Number of Outputs	1
Frequency - Switching  Duty Cycle (Max)  100%  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Operating Temperature  Package / Case  60kHz  No  No  Enable  -  Cortrol Features  SC-74A, SOT-753	Output Phases	1
Duty Cycle (Max)  Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  Control Features  Enable  Operating Temperature  Package / Case  100%  No  Serial Interfaces  -  Control Features  Enable  SC-74A, SOT-753	Voltage - Supply (Vcc/Vdd)	2.5 V ~ 16 V
Synchronous Rectifier  No  Clock Sync  No  Serial Interfaces  -  Control Features  Operating Temperature  Package / Case  No  SC-74A, SOT-753	Frequency - Switching	60kHz
Clock Sync  Serial Interfaces  Control Features  Enable  Operating Temperature  Package / Case  No  Enable  COTA  SC-74A, SOT-753	Duty Cycle (Max)	100%
Serial Interfaces - Control Features Enable Operating Temperature -40°C ~ 85°C (TA) Package / Case SC-74A, SOT-753	Synchronous Rectifier	No
Control Features Enable  Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$ (TA)  Package / Case SC-74A, SOT-753	Clock Sync	No
Operating Temperature $-40^{\circ}\text{C} \sim 85^{\circ}\text{C} \text{ (TA)}$ Package / Case $\text{SC-74A, SOT-753}$	Serial Interfaces	-
Package / Case SC-74A, SOT-753	Control Features	Enable
	Operating Temperature	-40°C ~ $85$ °C (TA)
Supplier Device Package SOT-23-5	Package / Case	SC-74A, SOT-753
	Supplier Device Package	SOT-23-5
Report errors?		Report errors?

### S-8521D36MC-BXVT2G Guarantees



### **Ouality Guarantees**

We provide 90 days warranty. \*

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



### **Service Guarantees**

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

## S-8521D36MC-BXVT2G Payment Methods



















## S-8521D36MC-BXVT2G Shipping Methods













If you have any question about S-8521D36MC-BXVT2G, please do not hesitate to contact us!

Website: https://www.heisener.com E-mail: salesdept@heisener.com